



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION VIII
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REF: 8ES-F0

MEMORANDUM

TO: Kelcey Y. Land, 8HWM-SR
Environmental Scientist

FROM: Gordon R. MacRae, 8ES-F0 *GRM*
Air Operations Section

SUBJECT: Review of Richardson Flat Air Sampling Activities Report

This report is much improved over the Whitewood Custom Treater's Activities Report I reviewed in July 1986. Each section reads well and contains the pertinent information expected. It shows that in field adjustments in the sampling locations and scheme were made adequately to accommodate on-site conditions.

The only question/comment I have is what quantity of valid data were collected? I addressed this same subject when reviewing Whitewood Custom Treater report. The approximate quantity of valid data is important in this document even though the report is not intended to address data usage. A wind speed and direction graph versus time very graphically displays the stability of the wind characteristics and the suitability of a good sampling day to meet the monitoring objectives. Upwind and downwind monitors could be easily established and a criteria could be used to screen out potentially unstable wind conditions not favorable to the study objectives. Day 5 is a good example with 25% of the winds from the NW and 18% from the SE. Utilizing this approach sets the stage for the data usage document and provides a strong basis for defending the data in court if necessary.

If you have any questions or comments, please don't hesitate to call me at 236-5101.

